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Polyurethane resin-based porous complex for synthetic leather - comprises resin-based wet porous film of organic diisocyanate cpd. and polyol comprising polyether, polyester and polycarbonate having uniform pores perpendicular to base

Patent Assignee: MITSUBISHI CHEM CORP (MITU )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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JP 7207052	A	19950808	JP 944071	A	19940119	199540 B
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Priority Applications (No Type Date): JP 944071 A 19940119

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 7207052	A	7	C08J-009/02		
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Abstract (Basic): JP 7207052 A

A polyurethane resin-based wet porous film , provided on a base material, *has uniform cylindrical pores* and its cylindrical axis is perpendicular to the base material. The polyurethane resin uses a mixt. of an organic diisocyanate cpd. and the following macromolecular polyol cpd. as a polyol component: (a) 30-80 wt.% polyether polyol; (b) 10-40 wt.% polycarbonate polyol; and (c) 5-40 wt.% polyester polyol. The polyurethane resin has a number average molecular wt. of 40000-200000. The pore has a dia. of 20-150 micrometres, pref. 30-60 micrometres. The polyurethane resin has a film thickness of 30-600 micrometres.

USE - The urethane resin-based porous complex is used for synthetic leather.

ADVANTAGE - The urethane resin-based porous complex has homogeneity in its appearance, flexibility and superior hydrolysis resistance and durability. No irregular colour is generated. The wet film and its surface are polished to obtain suede-like synthetic leather, having superior colour tone and flexibility. The polyurethane resin is useful for a raw material of a complex and for general polyurethane owing to its hydrolysis resistance.

Dwg.0/3

Title Terms: POLYURETHANE; RESIN; BASED; POROUS; COMPLEX; SYNTHETIC;  
LEATHER; COMPRISE; RESIN; BASED; WET; POROUS; FILM; ORGANIC; DI;  
ISOCYANATE; COMPOUND; POLY; OL; COMPRISE; POLYETHER; POLYESTER;  
POLYCARBONATE; UNIFORM; PORE ; PERPENDICULAR; BASE

Derwent Class: A25; A82; F08; P73

International Patent Class (Main): C08J-009/02

International Patent Class (Additional): B32B-005/18; C08G-018/42;

C08G-018/48; C08L-075-04; D06N-003/14; C08G-101-00

File Segment: CPI; EngPI